# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Sunday 15 Jan 2023 until 23:59 on Monday 16 Jan 2023

Forecast Issued on Sunday 15 Jan 2023 at 00:05

**Confidence:** High confidence for a wintry, cold spell of weather with snow showers, overnight frosts and sometimes significant wind chill. Lower confidence for timing of areas of showers Monday and Wednesday and arrival of milder conditions Thursday.

**Headline for Sunday 15 Jan 2023:** Rain, strong winds and hill snow during the morning, then a bright and dry afternoon.

**Mountain weather hazards on Sunday 15 Jan 2023**

| | | |
|---|---|---|
| **Blizzards**<br>Low Likelihood | **Heavy persistent snow**<br>Low Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>Medium Likelihood | **Severe chill effect**<br>High Likelihood | **Poor visibility**<br>Low Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>Low Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Heavy snow | Heavy snow | Cloudy | Cloudy | Cloudy | Light snow |
| Precipitation probability | | | | | |
| 80% | 80% | 20% | 20% | 20% | 50% |

**Forecast for Sunday 15 Jan 2023**

**Weather:** A band of rain and hill snow will cross the Peak District this morning, with very poor conditions on the hills. This will clear to the south by midday and strong winds will ease, with dry and bright or sunny conditions during the afternoon. Cloud will increase again late afternoon with snow likely later this evening and overnight into Monday.

**Chance of cloud-free hill tops above 600m:** 20% improving to 90%

**Low cloud and visibility:** For the early part of the day overcast layers of cloud above 300m can be expected but cloud will thin and lift in the morning with mostly clear tops from early afternoon. Visibility will be very poor in the early morning but becoming excellent around lunchtime with far reaching views likely. Further low cloud may form later in the evening, perhaps affecting mainly western hill tops.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Sunday 15 Jan 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 39/48 W | 23/33 W | 18/25 W | 15/21 W | 11/15 SW | 11/17 SW | 13/18 SW |
| **300** | 31/41 W | 16/25 W | 15/22 W | 11/17 W | 8/13 SW | 9/15 S | 9/13 SW |
| **Valley** | 20/40 W | 9/22 W | 10/21 W | 7/16 W | 5/11 SW | 6/13 S | 7/13 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 0/-8 | 1/-6 | 1/-5 | 1/-5 | 0/-4 | -1/-6 | -1/-6 |
| **300** | 1/-6 | 3/-2 | 4/-1 | 4/0 | 3/-0 | 2/-2 | 1/-3 |
| **Valley** | 1/-5 | 3/-0 | 5/1 | 4/1 | 2/0 | 2/-1 | 1/-2 |
| **Freezing Level*** | 400m | 700m | 700m | 600m | 600m | 500m | 400m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Extreme wintry conditions early in the day on Sunday but with winds easing during the morning an improvement is expected. Bitterly cold in the strong winds and even as winds ease notice freezing level falling towards the surface with any precipitation likely to be sleet or snow. Higher roads may become impassable with snowfall for a time overnight.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Sun 15 Jan 2023 | 17.4mm | 22.4mm | 29.6mm |

**Forecast for Monday 16 Jan 2023**

**Weather:** Wintry showers at first, with snow falling on the hills, but becoming drier and brighter with sunny spells from late morning. Remaining very cold with a considerable wind chill. Temperature quickly falling after sunset.

**Maximum wind:** North-westerly 20mph.

**Chance of cloud-free hill tops above 600m:** 40% rising to 90%

**Low cloud and visibility:** Cloud base 400-600m in association with showers during the morning, but tending to break up and rise towards 700-800m during the afternoon, with clear skies late afternoon and through the evening. Visibility very good generally, but very poor in snow showers.

**Temperature:** **Valleys:** Minus 2 rising to plus 1 Celsius
**At 600m:** Minus 4 Celsius.
**Freezing level:** 600m falling to 200m

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